

Amendments to the Claims

1. (Original) Poly(caprolactone fumarate).
2. (Original) A copolymer comprising:  
caprolactone units; and  
fumarate units.
3. (Original) The copolymer of claim 2 wherein the copolymer has a number average molecular weight in the range of 3000 to 4000.
4. (Original) The copolymer of claim 2 wherein the copolymer has a polydispersity index in the range of 2 to 4.
5. (Original) The copolymer of claim 2 wherein the copolymer has a melting point in the range of 50°C to 70°C.
6. (Original) The copolymer of claim 5 wherein the copolymer is injectable at temperatures above the melting point.
7. (Original) The copolymer of claim 2 wherein the copolymer has a hardening point in the range of 30°C to 40°C.
8. (Original) A copolymer prepared by reacting (i) a caprolactone and (ii) fumaric acid or a salt thereof.
9. (Original) The copolymer of claim 8 wherein the copolymer is prepared by reacting poly( $\epsilon$ -caprolactone) and fumaryl chloride.

10. (Original) The copolymer of claim 9 wherein the poly(caprolactone) has a molecular weight in the range of 500-10000 daltons.

11. (Original) The copolymer of claim 8 wherein the copolymer has a melting point between 50°C and 70°C.

12. (Original) The copolymer of claim 11 wherein the copolymer is injectable at temperatures above the melting point.

13. (Original) The copolymer of claim 11 wherein the copolymer has a hardening point in the range of 30°C to 40°C.

14. (Withdrawn) A crosslinkable, biodegradable material comprising:  
a copolymer including caprolactone units and fumarate units; and  
a free radical initiator.

15. (Withdrawn) The material of claim 14 wherein:  
wherein the material is an injectable bone substitute.

16. (Withdrawn) The material of claim 11 wherein:  
wherein the material is an injectable bone cement.

17. (Withdrawn) The material of claim 14 further comprising:  
a porogen.

18. (Withdrawn) The material of claim 14 further comprising:  
an accelerator.

19. (Withdrawn) The material of claim 14 wherein:  
the material does not include a crosslinking agent.

20. (Withdrawn) The material of claim 14 further comprising:  
particulate or fiber reinforcement materials.

21. (Withdrawn) The material of claim 14 wherein:  
the reinforcement materials comprise hydroxyapatite.

22. (Withdrawn) The material of claim 14 wherein:  
the copolymer is prepared by reacting (i) poly( $\epsilon$ -caprolactone) and (ii) fumaric acid or a salt thereof.

23. (Withdrawn) A scaffold for tissue regeneration, the scaffold comprising:  
a biodegradable matrix comprising a copolymer including caprolactone units and fumarate units.

24. (Withdrawn) The scaffold of claim 23 wherein:  
the copolymer is prepared by reacting (i) poly( $\epsilon$ -caprolactone) and (ii) fumaric acid or a salt thereof.

25. (Withdrawn) The scaffold of claim 23 wherein:  
the matrix includes particulate or fiber reinforcement materials.

26. (Withdrawn) The scaffold of claim 25 wherein:  
the reinforcement materials comprise hydroxyapatite.

27. (Withdrawn) The scaffold of claim 23 wherein:  
the scaffold is porous.